

DATE 2334Z 24 APR 62

SECRET

TO DIRECTOR

FROM [REDACTED]

ACTION: DPD (1-2-3-4-5-6-7-8-9-10)

INFO: S/C (11)

DL

TOR 1834Z 25 APR 62

ROUTINE

IN 35084

BT-1943
Prop 2er

BT

TO [REDACTED]

INFO [REDACTED]

BT [REDACTED]

ATTN [REDACTED]

1. IT IS DESIRABLE THAT INDEX ATTITUDE CAMERA SUBSYSTEM FOR LANYARD BE CAPABLE OF FULL COVERAGE OF DENIED AREA SO THAT INDEXING OF ANY PROGRAM FOR PANORAMIC CAMERA OPERATIONS CAN BE DONE.

2. STUDIES HERE INDICATE THE FOLLOWING:

A. ONE HUNDRED NINETY-FIVE MINUTES OF OPERATION PER DAY COULD OCCUR ON TYPICAL 75 DEGREE INCLINATION ORBIT.

B. CYCLING RATE OF 16.67 SECONDS PER CYCLE IS REQUIRED TO OBTAIN 55 PERCENT OVERLAP.

C. ABOVE RESULTS IN REQUIREMENT FOR 702 FRAMES PER DAY OF 2800 FEET FOR MISSION. THIS IS EQUAL TO APPROXIMATELY 565 FEET OF MATERIAL AT 2 1/2 INCH FRAME LENGTH. AMOUNT OF FILM FOR STELLER CAMERA PORTION.

3. THIS ALSO IMPLIES THAT INDEX ATTITUDE CAMERA SUBSYSTEM MUST HAVE AN INDEPENDENT CASSETTE AS OPERATIONS DURING TIME PANORAMIC CAMERA IS OFF WILL BE REQUIRED. [REDACTED] IS INVESTIGATING

NRO review(s) completed.

SECRET

REPRODUCTION BY OTHER THAN THE ISSUING OFFICE IS PROHIBITED.

EXHIBIT NO. 100
NO CHANGE IN CLASS. ☒
☐ UNCLASSIFIED
CLASS. CHANGED TO: TS 300
EXEMPT FROM E.O. 12958
DATE 10-16-78 BY: [REDACTED]

25X1

25X1

S E C R E T

[REDACTED] (IN 35084)

PAGE TWO

INSTALLATION AND BEST POSSIBLE SOLUTION APPEARS TO BE MOUNT INDEX ATTITUDE CASSETTE ON BRACKET HOLDING RECOVERY BEACON BATTERY, RATHER THAN ON PANORAMIC CASSETTE STRUCTURE.

4. IT SHOULD ALSO BE NOTED THAT THIS AFFECTS INTERCHANGEABILITY OF INDEX ATTITUDE CAMERA SUBSYSTEM BETWEEN CORONA AND LANYARD PROGRAMS.

5. REQUEST SYSTEMS ENGINEERING BE INFORMED ASAP ON THE FOLLOWING:

A. CAN INTERCHANGEABILITY BETWEEN PROGRAMS BE MAINTAINED BY PROVIDING FILM TRANSPORT MODULES CAPABLE OF ACCEPTING SUPPLY SPOOLS FOR 600 FOOT LENGTH? 140 FOOT LENGTH FOR CORONA?

25X1

B. DOES [REDACTED] WISH TO COMMENT ON USE PHILOSOPHY?

C. DO DIFFERENT OPERATING MODES BETWEEN PROGRAMS OFFER ANY DESIGN PROBLEMS FOR CAMERA SUBSYSTEM CONTROL?

D. SINCE TIME WORD WILL BE ADDED FOR LANYARD, WHAT IS EFFECT ON CAMERA SUBSYSTEM FOR CORONA?

END OF MESSAGE

S E C R E T